

What is claimed is:

1. An electromagnetic drive device comprising:

5 a coil frame with a hollow tubular shape including two bobbin members separated and joined perpendicular to an axial direction thereof,

a magnet rotor having a rotational shaft and disposed in the coil frame to be rotatable through the rotational shaft,

10 a transmission arm attached to the rotational shaft for transmitting a rotation of the magnet rotor to an outside of the coil frame, said transmission arm extending substantially perpendicular to the rotational shaft,

a coil wound around an outer periphery of the coil frame, and

15 an opening formed in one of the bobbin members in a peripheral side surface different from portions contacting the other of the bobbin members so that the transmission arm protrudes to an outside through the opening.

20 2. An electromagnetic drive device according to claim 1, wherein one of said bobbin members includes a first bearing part for supporting one end of the rotational shaft, and the other of said bobbin members includes a second bearing part for supporting the other end of the rotational shaft.

25 3. An electromagnetic drive device according to claim 1, wherein one of said bobbin members includes an upper end surface and a first peripheral side surface, and the other of said bobbin members includes a lower end surface and a second peripheral side surface, said first peripheral side surface being attached

to the second peripheral side surface along the longitudinal direction.

4. A light quantity adjustment device comprising the
5 electromagnetic drive device according to claim 1, a base plate attached to the electromagnetic drive device and having an optical axis aperture, and a blade member supported on the base plate and attached to the transmission arm for adjusting a quantity of light passing through the optical axis aperture.

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5. A light quantity adjustment device according to claim 4,
wherein one of said bobbin members includes an upper end surface and a first peripheral side surface, and the other of said bobbin members includes a lower end surface and a second
15 peripheral side surface, said first peripheral side surface being attached to the second peripheral side surface along the longitudinal direction.